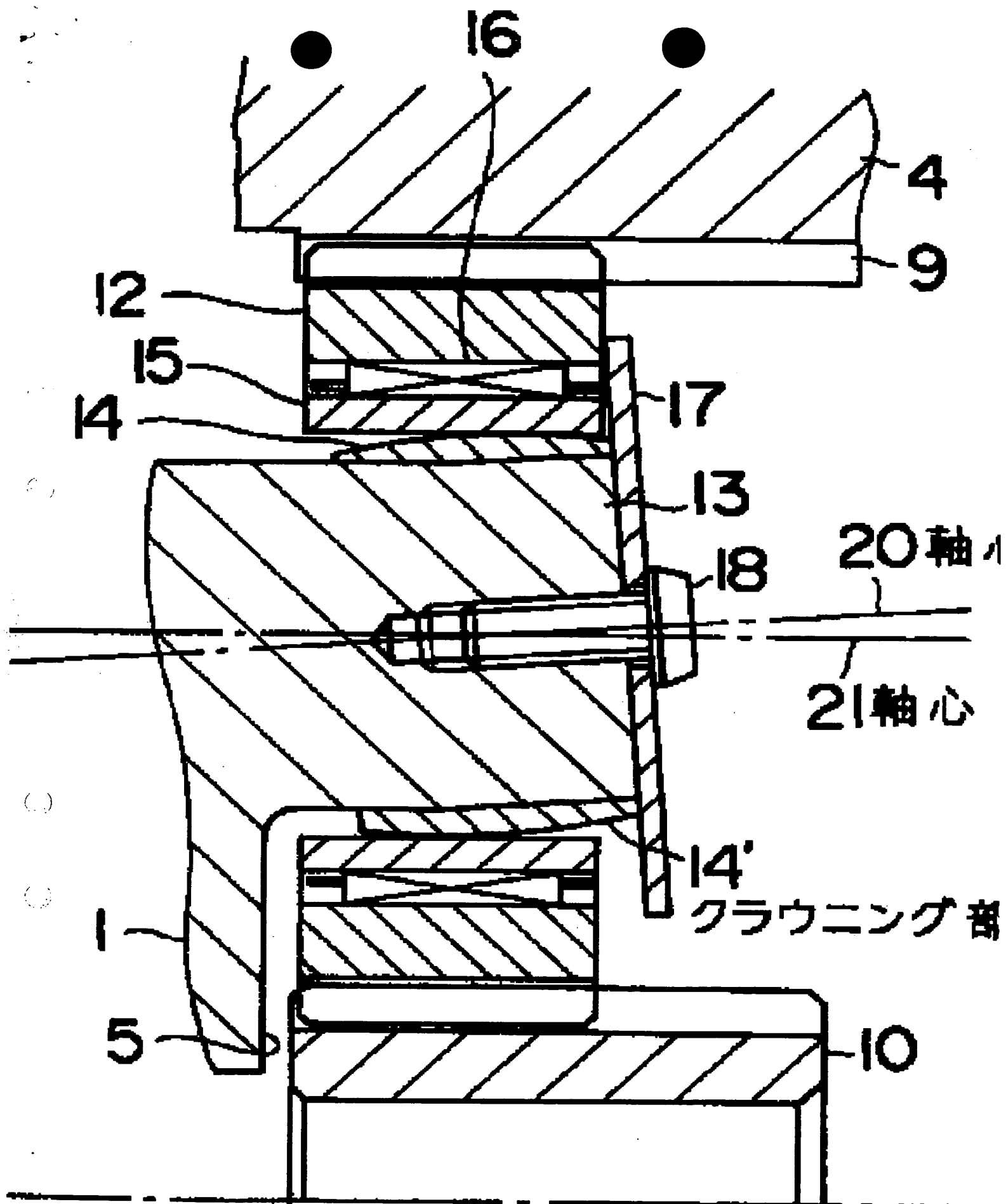


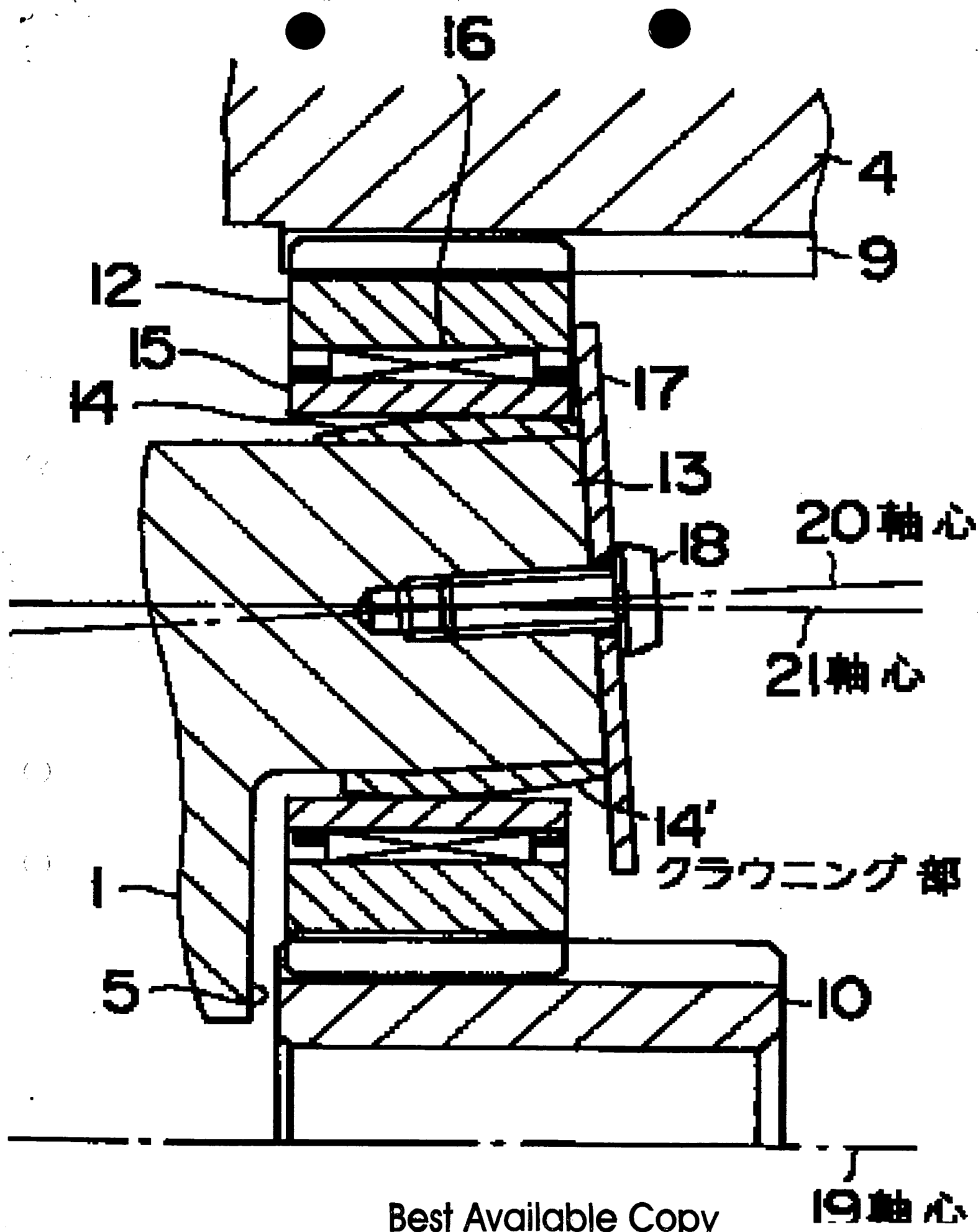
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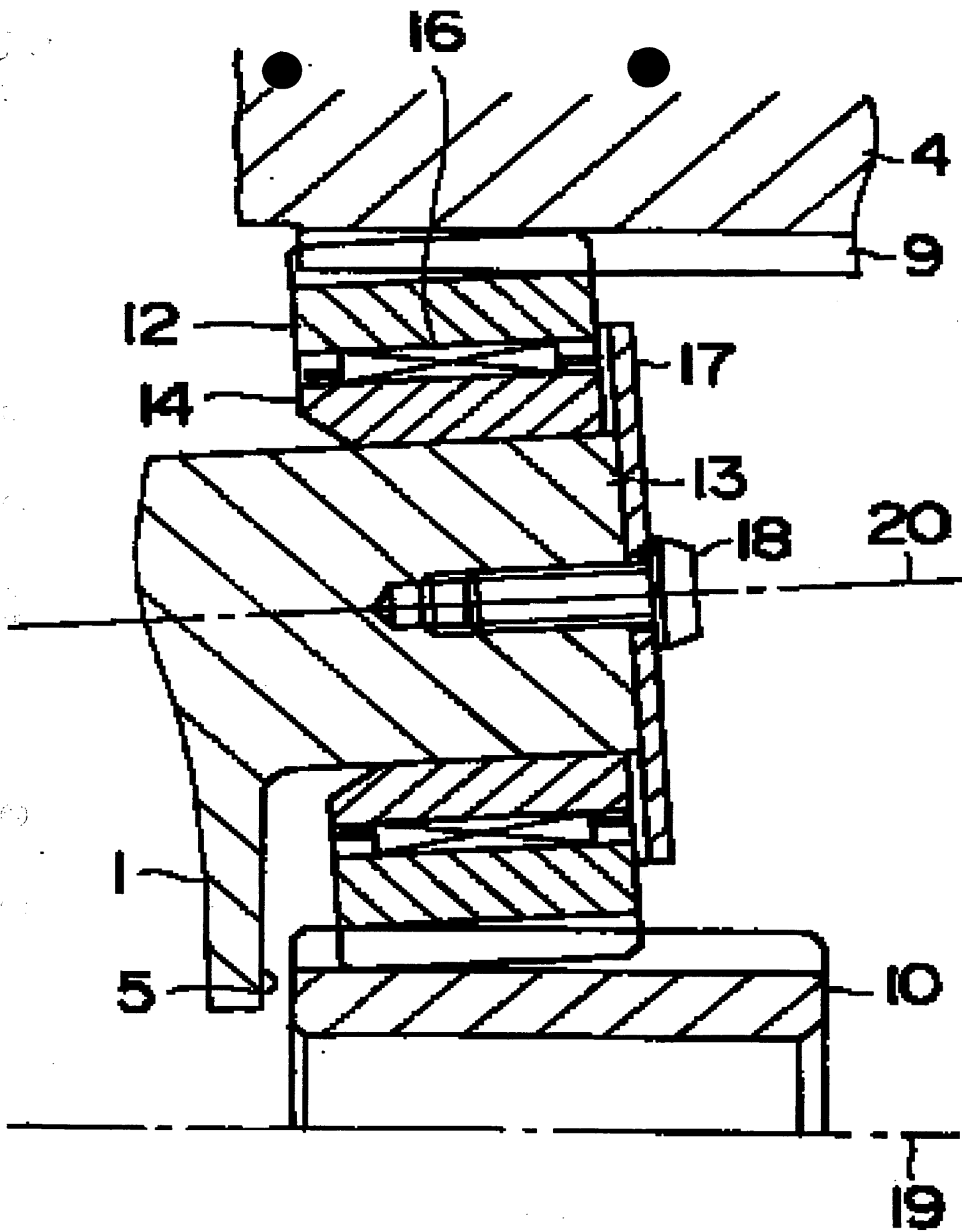
- PN - JP2001050357 A 20010223
- TI - DRIVE DEVICE WITH REDUCTION GEAR
- AB - PROBLEM TO BE SOLVED: To provide a drive device with a reduction gear to reduce manufacturing cost as smooth rotation of a gear is ensured.
- SOLUTION: A small and long first sun gear and a large and short second sun gear 10 are on the same shaft, i.e., the output shaft of a hydraulic motor. The second sun gear 10 is engaged with a second planetary gear 12. The second planetary gear 12 is mounted on a boss part 13 axially protruding from the end face wall of a cylindrical housing 1 and rotatably supported through a ring 14, a bush 15, and a needle bearing 16. A crowning part 14' having a microcurvature is situated on the outer peripheral surface of the ring 14. A boss part 13 having cantilever structure is bent by a torque reaction force and through contact between the outer peripheral curved surface of the ring 14 and the inner peripheral cylindrical surface of the bush 15, uneven contact is prevented from occurring, and a gear is smoothly rotated.
- I - F16H1/48 ;F16H1/46
- PA - MITSUBISHI HEAVY IND LTD
- IN - ISHIHARA TADASHIYONEZAWA YUKIHIKO
- ABD - 20010605
- ABV - 200019
- AP - JP19990224741 19990809



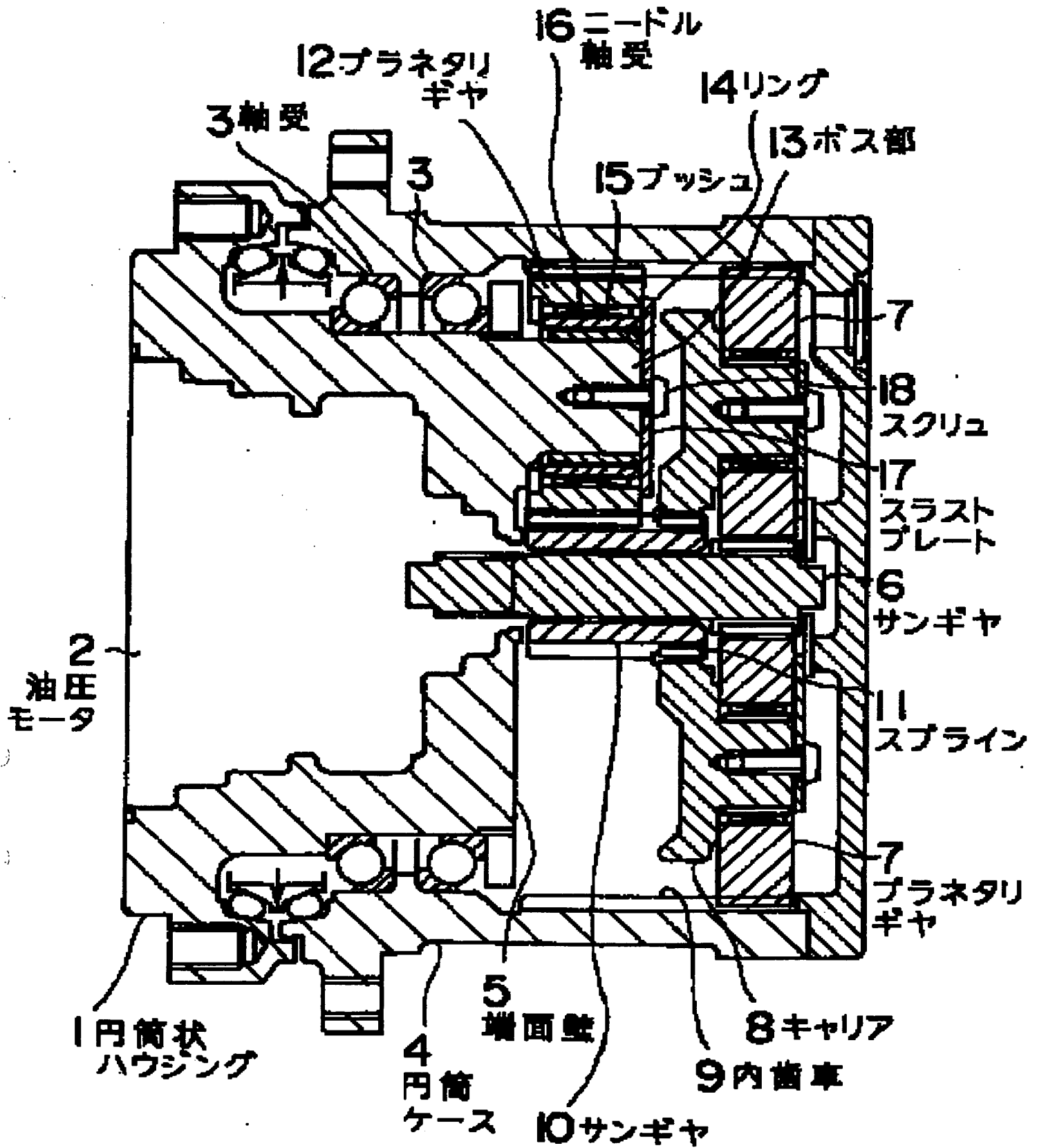
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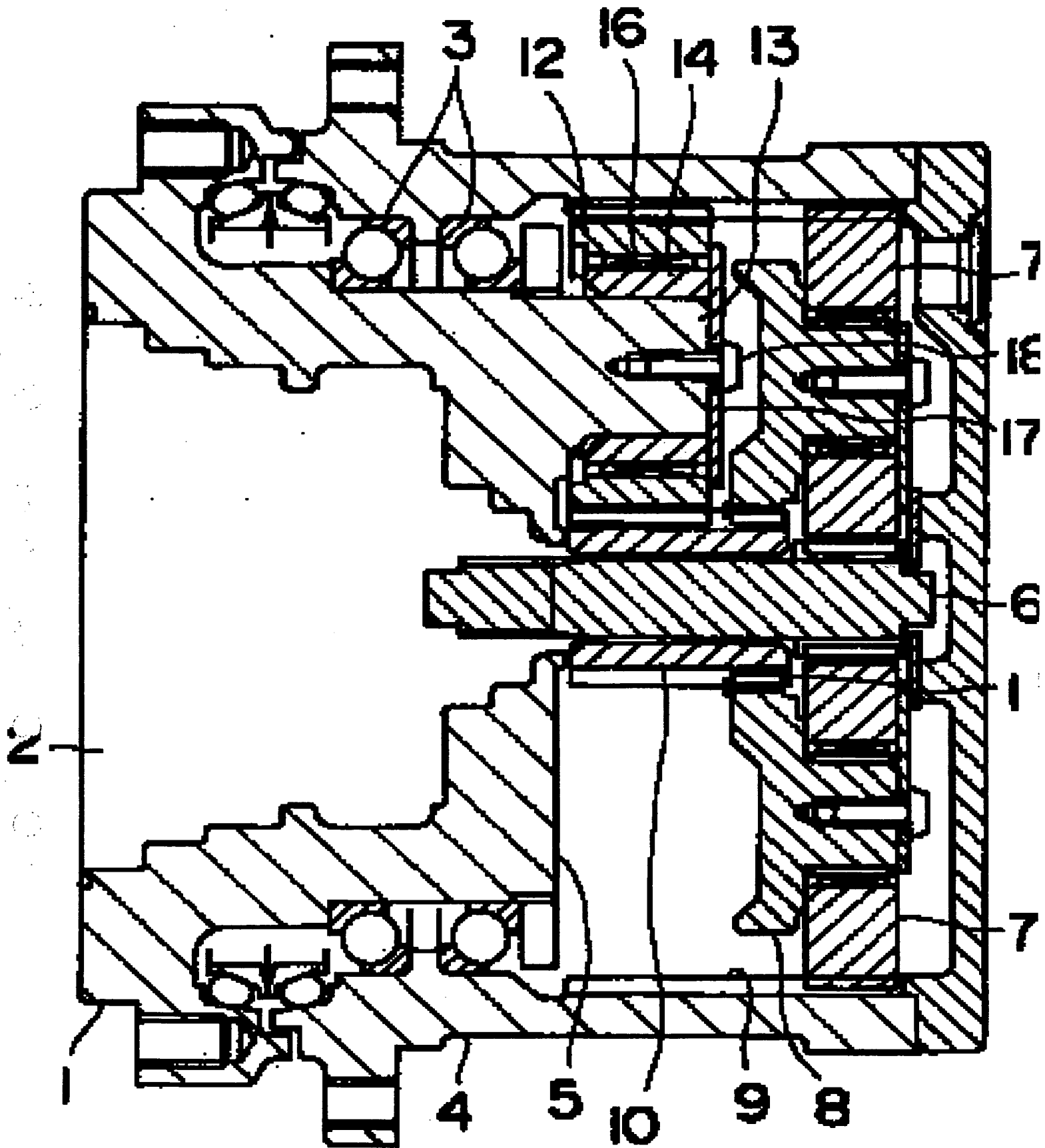




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